

## CLAIMS

What is claimed is:

1. A multi-layer optical recording medium, comprising:  
user data areas on each recording layer;  
grooves formed on the user data areas;  
user data wobbles formed on at least one lateral surface of each groove of one of the recording layers; and  
lead out wobbles, which differ from the user data wobbles of the one recording layer, formed in an area beyond a predetermined radius of the one recording layer.
2. The multi-layer optical recording medium according to claim 2, wherein the wobbles of the lead-out area of the one recording layer are formed by modulating at least one feature of frequency, period, amplitude and phase of the wobbles of the user data area of the one recording layer.
3. The multi-layer optical recording medium according to claim 3, wherein recording is performed on the grooves and/or lands formed on the user data area of the one recording layer and the area beyond the predetermined radius of the one recording layer.